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五五

## 滴 瓶

圖面ノ略解 圖面ハ本案ヲ示ス第一圖ハ斜面圖ニシテ頂蓋ノ一部ヲ截缺ス第二圖ハ縱斷面圖ナリトス

實用新案ノ性質、作用及效果ノ要領

本案ヲ圖面ニ付キ説明センニ圓筒狀ヲナス硝子製瓶體①ノ一端部ニ段肩②ヲ設ケテ短小ナル嘴

管③ヲ突成シ該管先端部ニ細孔④ヲ形成セシム⑤ハ瓶體ノ他端小徑部ニ設ケタル螺條ニシテ其ノ先端部ニ磨合口部ヲ殘存セシメ該口部ニハ漏斗管⑥ヲ磨合セニヨリ嵌脱自在ニ密着シ得ヘカラシム⑧ハ「セルロイド」又ハ「エボナイト」ノ如キ可塑性物ヲ以テ成形セラル帽蓋ニシテ上記螺條⑤部ト螺合シ其ノ上端部ニハ頂蓋⑨(帽蓋ト同一資材ヲ以テ成形セラル)ヲ螺着セシム⑩ハ帽蓋⑧ノ頂部内側ニ嵌着セシメタル「コルク」製ノ「バツキング」ニシテ⑪ハ帽蓋頂壁ノ中央部ニ穿設セル透孔ナリトス但シ「バツキング」⑩ノ中央部ニモ上記透孔⑪ト連通シ得ヘク該孔ヨリモ徑大ナル透孔⑫ヲ穿設セシムルヲ要ス⑬ハ頂蓋⑨ノ側壁上端部ヲ貫通セル通氣孔ニシテ⑭ハ嘴管③ヲ包被セル護膜製ノ「キャップ」ナリトス

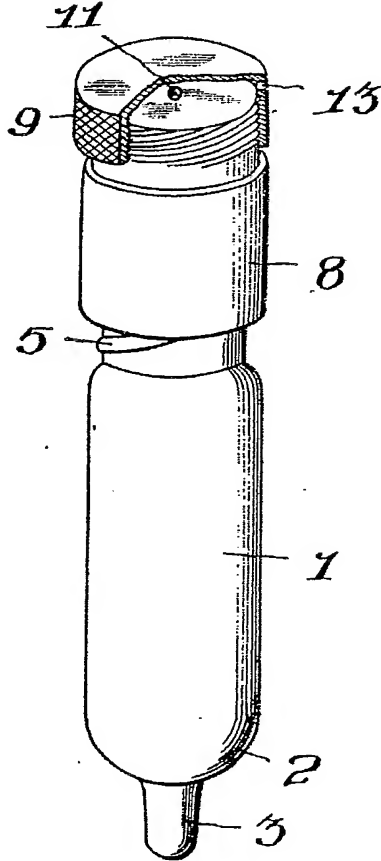
本案ハ使用ニ際シ藥液其他ノ内容液ヲ容入スルニ當リテハ帽蓋⑧及漏斗管⑥ヲ脱去セシムルト共ニ嘴管③ニ「キャップ」⑭ヲ被覆セシメタル狀態ニ於テ磨合セ口部⑥ヨリ液ヲ注入シ適量ヲ充タシタル後第二圖ニ示スカ如ク漏斗管⑥ヲ該磨合セ口部ニ嵌入シ密合セシメ更ニ頂蓋⑨ヲ螺着セル帽蓋⑧ヲ螺條⑤部ニ螺合セシムルモノニシテ斯カル狀態ニ於テハ能ク外氣ト遮斷シテ密封セラルルヲ以テ貯藏安全ニシテ之ニ多少ノ動搖ヲ與フルモ内容液ノ漏出スル憂ナク假令使用ニ際シ「キャップ」ヲ脫離セシムルモ妄リニ嘴管孔ヨ

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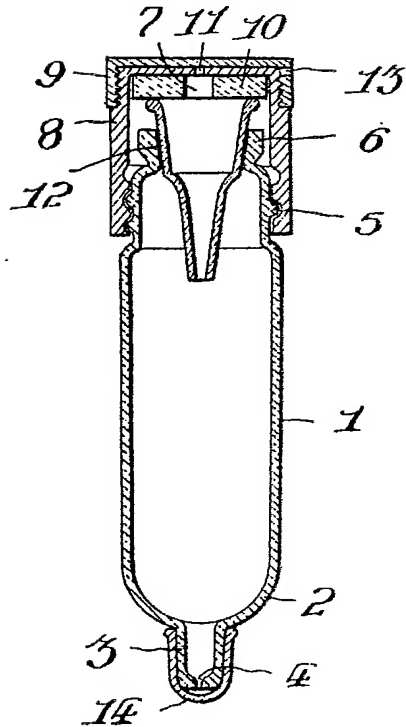
リ液ノ流下スコトナシ尙嘴管ヲ上ニシ頂蓋⑨ノ底面ヲ以テ載置スル場合ニハ「パツキング」⑩ヲ介シテ瓶内ハ帽蓋ト頂蓋トノ嵌合ニ  
 ヨリ氣密ニ保持セラレ而カモ漏斗管⑫ノ脚部ハ瓶體內ニ幾分突出シ居ルヲ以テ内容液カ多量ニ存スル場合ト雖モ液壓ヲ低減シ得ル  
 モノニシテ從テ内容液ノ漏出傾向ヲ一層減殺セシムルニ效果アルモノトス加之内容液ノ滴下ニ際シテハ頂蓋⑨ヲ少シク螺旋セシメ  
 テ通氣孔⑬ヨリ外氣ヲ誘導シ帽蓋⑧ノ透孔⑪ヲ介シテ瓶體内部ト相通セシムルコトニヨリ液ヲ自由ニ嘴管孔ヲ經テ滴下セシメ得ル  
 ト共ニ滴下ヲ中止セシムルニ當リテハ單ニ通氣孔⑬ニ指頭ヲ當テ更ニ頂蓋⑨ヲ螺旋セシムルコトニヨリ確實ニ液ノ流下ヲ阻止シ得  
 ルモノトス且瓶體ノ一端部ハ廣キ口部ヲ形成セルニヨリ漏斗管⑫ノ脫去ト共ニ洗滌作用ヲモ容易ナラシメ得ルノ利アリトス  
 斯クノ如ク本案ハ内容液ノ保藏並ニ滴下共ニ簡易且極メテ適確ナルモノナレバ眼藥用點眼器又ハ醫療用若クハ化學試驗用等ノ點滴  
 瓶トシテ甚タ好適セルモノナリトス

登錄請求ノ範圍 圖面ニ示ス如ク瓶體①ノ一端部ニ嘴管③ヲ突成シ他端部ニ螺條⑤ヲ設ケ其ノ先端部ニ磨合セ口部⑥ヲ形成シテ該口  
 部ニ漏斗管⑫ヲ嵌着セシメ上記螺條⑤部ニ螺合シ頂壁ニ透孔⑪ヲ穿設セル帽蓋⑧ニハ側壁ニ通氣孔⑬ヲ有スル頂蓋⑨ヲ嵌合セシメ  
 テ成ル滴瓶ノ構造

圖一第



圖二第



Reference 2: Japanese Patent Application "Kokai" No. 51-146789

Reference 3: Japanese Utility Model Publication Sho. 12-002447

Reference 4: Japanese Patent Application "Kokai" 2003-126218

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## II. English translation of relevant excerpts from Reference 3

10 "Numeral (8) denotes a cap lid formed of a plastic material such as  
"Celluloid", "ebonite", which is in threaded engagement with the threading  
portion (5), and at an upper end of the cap lid, there is threaded a top lid (9)  
(formed of a same material as the cap lid)."

15 "Numeral (13) denotes a aerating hole extending through an upper end of a  
lateral wall of the top lid (9)."

20 "For use of the invention, for charging a content liquid such as drug liquid or  
the like, under a condition wherein the cap lid (8) and a beak tube pipe (12)  
are removed and a "cap" (14) is fitted on the beak pipe (3), the liquid is  
introduced through an opening portion (6) which is frictionally engaged."

"The cap lid (8) threaded wit the top lid (9) is placed into threaded  
engagement with the threading portion (5)."

25 "For placing the bottle on the bottom face of the top lid (9) with the beak  
pipe being placed upwards, the inside of the bottle is kept under the  
air-tight condition through the engagement between the cap lid and the top  
lid via a "packing".

30 "For instilling this content liquid, the top lid (9) will be slightly threaded  
back so as to introduce ambient air via the aerating hole (18) and

communication is established with the inside of the bottle through a through hole (11) of the cap lid (8), whereby the liquid can be instilled freely through the beak pipe hole, and for stopping the instilling, simply a finger tip is placed on the through hole (13) to thread the cap lid (9) forward, 5 whereby the instilling can be stopped reliably “

What is claimed is:

“As shown in the figures, a construction of an instilling bottle, comprising a bottle body having a beak pipe (3) projecting at one end thereof and a 10 threading portion (5) at the other end thereof, a mouth portion (6) frictionally engaged with a leading end of the bottle body, a funnel pipe (12) engaged and fitted on the mouth portion, a cap lid (8) threaded on the threading portion (5) and defining a through hole (11) projecting at its top wall, and a top lid (9) fitted and engaged on the cap lid (8) and having an 15 aeration hole (13) in its lateral wall.”

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